

ABSTRACT

BOX LUNCH VENDING MACHINE

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The disclosure relates to a box lunch vending machine which comprises a box body and a heating device, wherein the heating device is arranged in the box body and comprises the first liquid guiding groove group and the second liquid guiding groove group; the first liquid guiding groove group and the second liquid guiding groove group both comprise a plurality of liquid guiding grooves; a connecting pipe is arranged between every two adjacent liquid guiding grooves in the first liquid guiding groove group or the second liquid guiding groove group; and the first liquid guiding groove group and the second liquid guiding groove group are respectively provided with a valve assembly, the valve assembly comprises a plurality of plugs, a pull rod and a power element, a liquid outlet is opened in a position, corresponding to the upper end of the connecting pipe, of each liquid guiding groove, the plug is arranged at the liquid outlet, the liquid guiding groove is provided with a support plate, the power element is arranged on the support plate and is connected with the pull rod, and each plug is connected with the pull rod. The heat-conducting medium discharging processes of the first liquid guiding groove group or the second liquid guiding groove group are independent with each other by grouping the plurality of liquid guiding grooves, so the efficiency can be effectively improved.

FIG. 2